

17

SEQUENCE LISTING ID NO 1A

Applicant: Pharmacia Diagnostics AB

Title: Group 2 allergen specific IgE-Fabs and use thereof

Type of sequence: Nucleic acid

Organism: homo sapiens

1002725.122101

FR1

94 CTCGAGTCTGGCCCAGGACTGGTGAAGCCTGCACAGACCCTGTCCCTCAGCTGCGCTGTCTCT.
60 CTCGAG-----T-----C-----A-----
100 CTCGAG-----T-----C-----A-----

FR1 CDR1 FR2

94 GGCGGCTCCATCCGC AGTGGTGGTTACTACTGGAGT TGGATCCGCCAACACCCAGGGAAG
60 --T-----T-----T-----G-----G-CT-----
100 --T-----T-----T-----G-----G-CT-----

FR3 CDR2

94 GGCGTGGAGTGGATTGGG TACATCTATCACAGTGGGAACACCTACTACAACCCGTCCTCAAG
60 -----C--C A-----C-----
100 -----C-----C-----

FR3

94 AGT CGAATTGCCATGTCCGGTAGACACGTCTGAGAACAAAGTTCTCCCTGAGGCTGAACTCT
60 ---A-----A-----A-----C-C-----A-----C-----
100 ---G--A-----A-----A-----C-C-----G-----

FR3 CDR3

94 GTGACTGCCGCGGACACGGCCGTGTATTACTGTGCGAGG TTAGATGGCTACACTTTGGACATC
60 -----C-----C-----C-----G--T-----A-----
100 -----C-----G-----C-----A-----

FR4

94 TGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA
60 -----
100 -----

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18

SEQUENCE LISTING ID NO 18

Applicant: Pharmacia Diagnostics AB

Title: Group 2 allergen specific IgE-Fabs and use thereof

Type of sequence: Nucleic acid

Organism: homo sapiens

FR1

```
94 GAGCTCACTCAGTCTCCATCCTCCCTGTCTGCATCTGTGGGAGACAGAGTCACCATCAGTTGC
60 GAGCTC--C-----C-----A-----C-----
100 GAGCTC--G-----T--G-----A-----A-C--T
```

CDR1 FR2

```
94 CGGGCAAGTCAGAGAATTAACACCTATTTAAAT TGGTATCAGCATAAACCAGGGAAAGCCC
60 -----C-----T---G-----G-----G-----G-----
100 -----G-----G-T---G--GT-GG---GCC -----G-----
```

FR2 CDR2 FR3

```
94 CTAAGCTCCTCATCTAT GCTGCATCCAGTTTGCAAAGT GGGGTCCCATCAAGGTTTCAGT
60 -----C-----GG AG-----A-----C-----
100 ---A-----T-----G-----C-----
```

FR3

```
94 GGCAGTGGATATGGGACAGACTTCACTCTCACCATCAGCAGTCTGCAGCCTGAAGATTTTGCA
60 -----C-----G-----A-----A-----C-----
100 -----C-----T---G-----C-----C-----
```

FR3 CDR3 FR4

```
94 AGTTACTACTGT CAAGAGAGTCTCAGTGCCTCGTACACT TTTGGCCAGGGGACCAAGGT
60 -----C-----TA--C-A--TA--T--C --C---CT-----AC-
100 -C-----T--- ---C--GC-AA---TT-C-----
```

FR4

```
94 GGAGATCAAACGA
60 -----
100 ---A-----
```

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10027725.122101

SEQUENCE LISTING ID NO 2A

Applicant: Pharmacia Diagnostics AB

Title: Group 2 allergen specific IgE-Fabs and use thereof

Type of sequence: Amino acid

Organism: homo sapiens

```

10027772000
94      FR1                                CDR1
60      L E S G P G L V K P A Q T L S L S C A V S G G S I R   S G G Y Y W S
100     - - - - - - - - S - - - - T - T - - - - - - - - - - - - -
Y14936 . . . - - - - - S E - - - - T - - - - Y - - S   - - . - - - G

          FR2                                CDR2
94      W I R Q H P G K G L E W I G   Y I Y H S G N T Y Y N P S L K S
60      - V - - P - - - - - - - - N - - - - - - - - - - - - -
100     - - - - P - - - - - - - - - - - - - - - - - - - - - -
Y14936 - - - - P - - - - - - - - S - - - - - - - - - - - - -

          FR3
94      R I A M S V D T S E N K F S L R L N S V T A A D T A V Y Y C A R
60      - - T - - - - - K - H - - - - - T - - - - - - - - - - -
100     - V T - - - - - K - H - - - - - S - - - - - - - - - - -
Y14936 - V T I - - - - - K - Q - - - - K - T - - - - - - - - - -

          CDR3                                FR4
94      L D G Y T L D I                   W G Q G T L V T V S S
60      S - - - - - N                   - - - - - - - - - -
100     S - - - - - N                   - - - - - - - - - -
Y14936 G Y Y D I S G Y Y F D A F N I   - - - - - M - - - -

```

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20

SEQUENCE LISTING ID NO 2B

Applicant: Pharmacia Diagnostics AB

Title: Group 2 allergen specific IgE-Fabs and use thereof

Type of sequence: Amino acid

Organism: homo sapiens

1002725 "122101

		FR1		CDR1
94		E L T Q S P S S L S A S V G D R V T I S C		R A S Q R I N T Y L N
60		- - - - - - - - - - - - - - - T -		- - R - S - S - - - -
100		- - - - - - - - V - - - - - - - - T -		- - - - G - S S W - A
AF044462		- - - - - - - - - - - - - - - T -		- - - - S - S R - - -
S56199	E 1	V - - - - - A T - - I - P - F - A S I - -		- - - - S V A - - - A
S67059	 - - - - - - - - - T -		- - - - S - S N - - -

		FR2		CDR2		FR3
94		W Y Q H K P G K A P K L L I Y		A A S S L Q S		G V P S R F S G S G
60		- - - Q - - - - - - - - - W		S - - N - - -		- - - - - - - - -
100		- - - Q - - - - - - - - -		S - - - - - -		- - - - - - - - -
AF044462		- - - Q - - - - - - - - -		- - - - - - -		- - - - - - - - -
S56199		- - - - - - Q - - R - - -		D - - N R A T		- I - A - - - - -
S67059		- - - Q - - - - - - - - -		- - - - - - -		- - - - - - - - -

		FR3		CDR3
94		Y G T D F T L T I S S L Q F E D F A S Y Y C		Q E S I S A S Y T
60		S - - E - - - - - N - - - - - - -		- Q - Y T T L - -
100		- - - - - S - - - - - - - S - T - - -		- Q A N - F P - -
AF044462		S - - - - - - - - - - - - - T - - -		- Q - Y G T P H S
S56199		S - - - - - - - - - E - A - - - V - - -		- H R N N W P L F T
S67059		S - - - - - - - - - - - - - S - T - - -		- Q T Y G T L I -

		FR4
94		F G Q G T K V F I K R
60		- - S - - - L - - - -
100		- - - - - - - - - -
AF044462		- - R - - - L - - - -
S56199		- - P - - R - D V - - T V A A P S V F
S67059		- - P - - T L D M - -

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